C. 4412 (1)

BOROUGH OF DEAL

PUBLIC HEALTH DEPARTMENT

ANNUAL REPORT OF

THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1968.

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE
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BOROUGH OF DEAL

PUBLIC HEALTH COMMITTEE

(To 1st June, 1968)

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Councillor Miss M. Webber
(Councillor D.W. Yates-Mercer)

(From 1st June, 1968)

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Councillor J.A. Bell
Councillor J.W.P. Faint
Councillor V. Minter
Councillor Miss M. Webber
Councillor D.W. Yates-Mercer

STAFF

Medical Officer of Health	Dr. C.F. Lynch, M.B., B.Ch., B.A.O., D.P.H.
Deputy Medical Officer of Health	Dr. J.A. Byrne, M.B., B.Ch., B.A.O., D.P.H., D.T.M. & H.
Senior Public Health Inspector	R.M. Borlase, M.A.P.H.I.
Additional Public Health Inspector	S.W. Swift, Cert. R.S.I. & S.I.E.J.B.
Clerk Typists	Miss J. Deller Miss M. Coleman (Resigned 27.1.68)
Pupil Public Health Inspector	A. Milton (Commenced 21.10.68)

To: The Mayor, Aldermen and Councillors of the Borough of Deal:

Ladies and Gentlemen,

I have the honour to present the Annual Report on the Health and Sanitary conditions of the Borough for the year ended 31st. December, 1968, during which period Dr. C.F. Lynch was your Medical Officer of Health. Dr. Lynch retired at the end of February, 1969, after serving the Authority for nearly eleven years and we wish him a long and happy retirement.

Due principally to staffing difficulties the presentation of the Report has, unfortunately, been delayed, but on the medical side these difficulties have been resolved by the appointment of Dr. J.Ll. T. Graham whom we welcomed as Deputy Medical Officer of Health on 2nd. June 1969.

I would ask that members, when considering this Report, particularly the statistical section, bear in mind that the figures relate only to a comparatively very small population and too much importance should not be attached to any apparent sudden rise or fall in a rate when comparing it with the rate for say the previous year; the statistics should in fact be considered together with those of adjoining areas over a period of years before any trend assessment can be made.

The population as estimated by the Registrar General continued the slow rise evident in the previous years, while the birth rate at 16.62 was some 0.75 higher than that of 1967 and compared favourably with the national rates; the adjusted death rate though 1.58 higher than in the previous year, is still lower than the rate for England and Wales as a whole and reference to the age groupings of the deaths will show that the increase in the local rate is due entirely to natural trends.

The stillbirths and infant deaths call for no special comment and the respective rates were generally on a par with the national rates.

Cancer deaths recorded were ten fewer than in the previous year and although it is gratifying not to have to record an increase, attention is drawn to what has been said in the third paragraph of this report. While there was a slight increase in the small number of tuberculosis notifications, only one death was directly attributable to this cause. As to notifiable infectious diseases nothing untoward occurred during the year.

In the following pages of this report can be found a description of the activities of the Department during 1968, covering such a wide field of environmental hygiene and health services that one finds it most difficult to single out any particular item as being of paramount importance: suffice it to say that these activities, undertaken by a small and hard working staff, contributed in no small way to promoting the health and well being of the public at large.

I am sure that Dr. Lynch would wish me, on his behalf, to thank you and the Health Department staff for the support and co-operation afforded him during 1968 and I should like to include in this expression of appreciation the Chief Officers and members of the staffs of the other Departments of the Corporation.

I have the honour to be,
Mr. Mayor, Ladies and Gentlemen.
J.A. BYRNE
18th. November. 1969. Medical Officer of Health.

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SECTION A - VITAL STATISTICS & SOCIAL CONDITIONS.

Area	... 2,917 acres
Population estimated mid 1968	...27,190
Population 1961 census	...24,815
Estimated Product of Penny Rate 1968/69 ...	£3,285

Unemployment:

I am grateful to Mr. R. Graham, Manager of the Deal Employment Exchange for the following comment on the local unemployment statistics in 1968.

Men:	Women:	Boys:	Girls:	Total:	
415	55	21	9	500	(December statistics)

Of the men registered as unemployed over 150 are in the older age groups while of the women so registered 25 are over the age of 50 years ; a fair proportion of the men have retired and because of their age and the lack of suitable vacancies it is most difficult to place them in employment. A number do obtain seasonal work connected with the cross channel traffic, meaning daily travel to Dover. However, the call from most local industries is for the younger woman who is dexterous with her hands and this situation applies, I believe, in the adjoining areas also.

Approximately 50 men and 8 women among the unemployed are registered disabled persons, but all are capable of some form of light employment.

Fewer cases of back injuries sustained while working in the coal mines appear on the "live" Disabled File and this fact may possibly be attributed to the increased mechanisation in the mines, although there is no concrete evidence to substantiate this. There has been an increase in the number of psychiatric cases who are difficult to place in employment, but in the case of these, good liason with the County Social Welfare Workers is maintained.

VITAL STATISTICS.
(Compared with statistics for Years 1966 & 1967)

The following statistics and those of Tables I and II are compiled from the available local information.

(All rates shown for 1968 are calculated on the Registrar General's estimated mid-year population of 27,190)

Registered Live Births (Corrected for Inward & Outward Transfers).

			1966:	1967:	1968:
			393	376	400
Legitimate	Male 164	Female 203			= 367
Illegitimate	Male 22	Female 11			= 33

Live Birth Rate (per 1,000 of estimated population)

(Comparability Factor 1.13)

	1966:	1967:	1968:
Crude	14.92	14.04	14.71
Adjusted	16.86	15.87	16.62

Legitimate live births per 1,000 estimated population - 13.50 (unadjusted)
Illegitimate live births per 1,000 estimated population - 1.21 (unadjusted)

	1966:	1967:	1968:
Vital Statistics (continued.)			
Stillbirths	5	8	5
Stillbirths Rate (per 1,000 live and still births)	12.56	20.08	12.34

Registered Deaths (corrected for Inward and Outward Transfers):

The figures relating to deaths used in the tables in this report are those compiled locally adjusted for inward and outward transfers.

The number of deaths registered during 1968 totalled 370, outward transfers 68 and inward transfers 71 giving a net allocation of 373, a total agreeing with that of the Registrar General, although there is a difference of 2 in each of the sexes, 2 more in the case of the males and 2 less in the case of the females.

1966:	1967:	1968:
375	321	373
	Males -	187
	Females -	186

Death Rate (per 1,000 estimated population):

(Comparability factor - 0.85)

	1966:	1967:	1968:
Crude	14.24	12.00	13.72
Adjusted	12.10	10.08	11.66

Death Rate of Infants under 1 year of age:

	1966:	1967:	1968:
All infants per 1,000 live births	7.63	18.62	20
Infant Deaths - number	3	7	8

Specially Recorded Deaths::

Death from Cancer (all ages)	75	72	62

TABLE I

BIRTH RATES, DEATH RATES, ANALYSIS OF MORTALITY FROM TUBERCULOSIS, CANCER AND MATERNAL CAUSES, IN THE YEAR 1968 COMPARED WITH FIGURES (PROVISIONALLY BASED ON QUARTERLY RETURNS) FOR ENGLAND AND WALES.

		DEAL	ENGLAND & WALES
		Rates per 1,000 Population	
BIRTHS			
Live Births (adjusted)		16.62	16.9
DEATHS			
All Causes (adjusted)		11.66	11.9
Tuberculosis	(i) Respiratory	0.04	0.030
	(ii) Other	-	0.013
Cancer	(i) Lungs & Bronchus	0.44	0.593
	(ii) Other	1.84	1.723
		Rates per 1,000 live and stillbirths	
STILLBIRTHS:		12.34	14
		Rates per 1,000 related Live Births	
All causes under 1 year of age		20	18
MATERNAL MORTALITY		[illegible]	0.24

TABLE II

Causes of Death in 1968

A revised cause classification of deaths has been introduced by the Registrar General in the mortality statistics for 1968, following the production by the World Health Organisation of the eigth edition of the "Manual of the International Classification of Diseases, Injuries and Causes of Death".

Deaths are now classified under 65 headings in lieu of the 36 in use up to the year 1967 and I propose therefore to omit the age groupings included in this table in previous years and to substitute a selective table in respect of the principal fatal diseases and age groupings.

Cause of Death	Male	Female
Tuberculosis of Respiratory System	1	-
Syphilis and its sequelae	-	1
Other infective and parasitic diseases	-	1
Malignant Neoplasm, Stomach	1	4
Malignant Neoplasm, Lung, Bronchus	9	3
Malignant Neoplasm, Breast	-	4
Malignant Neoplasm, Uterus	-	2
Leukaemia	2	-
Other Malignant Neoplasms	20	17
Diabetes Mellitus	-	6
Other Endocrine etc. Diseases	-	2
Anaemias	-	1
Other Diseases of the Blood etc.	1	-
Other Diseases of Nervous System	2	-
Chronic Rheumatic Heart Disease	1	4
Hypertensive Disease	1	2
Ischaemic Heart Disease	57	30
Other forms of Heart Disease	12	16
Cerebrovascular Disease	24	35
Other Diseases of Circulatory System	2	15
Influenza	-	6
Pheumonia	11	15
Bronchitis and Emphysema	22	3
Asthma	-	2
Other Diseases of Respiratory System	3	1
Peptic Ulcer	2	-
Intestinal obstruction and Hernia	1	-
Cirrhosis of Liver	1	-
Other Diseases of Digestive System	1	2
Hyperplasia of Prostate	2	-
Other Diseases, Genito-Urinary System	-	1
Diseases of Musculo-Skeletal System	-	1
Congenital Anomalies	-	2
Other Causes of Perinatal Mortality	3	-
Symtoms and ill-defined Conditions	1	2
Motor Vehicle accidents	2	1
All other accidents	3	6
Suicide and self inflicted injuries	1	-
All other external causes	1	1
TOTAL	187	186

TABLE III

Age Groupings of Deaths

	Males	Females
Under 4 weeks	3	1
4 weeks and under 1 year	2	2
1 - 4 years	-	-
5 - 14 years	-	-
15 - 24 years	-	1
25 - 34 years	3	2
35 - 44 years	1	-
45 - 54 years	6	5
55 - 64 years	40	13
65 - 74 years	56	43
75 years and over	76	119
Total	187	186

TABLE IV

Age Groupings of Principal Causes of Death

	25-34 years		35-44 years		45-54 years		55-64 years		65-74 years		75 yrs & over		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Malignant Neoplasm, Stomach	-	-	-	-	-	-	1	-	-	2	-	2	1	4
Malignant Neoplasm, Lung & Bronchus	-	-	-	-	-	-	2	1	3	1	4	1	9	3
Malignant Neoplasm, Breast	-	-	-	-	-	2	-	-	-	1	-	1	-	4
Malignant Neoplasm, Uterus	X	-	X	-	X	-	X	1	X	-	X	1	X	2
Leukaemia	-	-	-	-	-	-	-	-	1	-	1	-	2	-
Other Malignant Neoplasms etc.	1	-	-	-	1	-	4	4	6	7	8	6	20	17
Chronic Heart Disease	-	-	-	-	-	1	1	-	-	1	-	2	1	4
Hypertensive Disease	-	-	-	-	-	-	-	-	1	1	-	1	1	2
Ischaemic Heart Disease	1	1	-	-	2	-	18	4	22	6	14	19	57	30
Other forms of Heart Disease	-	-	-	-	-	-	1	-	3	2	8	14	12	16
Cerebro-Vascular Disease	-	-	-	-	-	1	4	2	8	10	12	22	24	35
Diseases of Respiratory System *	-	-	-	-	2	-	6	-	5	6	21	20	36	27

* Deaths of two males and of one female under one year of age also assigned to this cause.

SECTION B - GENERAL PROVISIONS OF HEALTH SERVICES

NOTE: The figures quoted in relation to the services administered by the Kent County Council are included by courtesy of the County Medical Officer.

1. Laboratory Facilities:

Facilities for the bacteriological, biological and biochemical examination of specimens are available at the Public Health Laboratory, Preston Hall, British Legion Village, Maidstone, and I am indebted to Dr. A.L. Furniss, Director, for the services rendered during the year.

2. AMBULANCE SERVICE:

The following are the details of the service provided by the Deal Station during 1968:-

Total Number of Patients	25,961 (26,652)
Total Number of Journeys	5,946 (4,917)
Total mileage	122,873 (108,821)

(1967 figures are in brackets)

3. Midwifery and Home Nursing Service:

These services are administed by the County Medical Officer and the following figures are in regard to the year's work:-

(a) County Midwifery Service:

Number of Midwives	= 4
Number of births attended	= 158

(b) County Home Nursing Service:

Number of Home Nurses	= 5	(plus 1 part-time)
Number of patients attended	= 374	
Number of attendances (including casual visits)	=15,010	

4. Hospital Facilities:

The Victoria Hospital, Deal, under the administration of the South East Metropolitan Regional Hospital Board, makes provision for medical and surgical cases, while maternity and infectious cases (excepting smallpox) are provided for at Buckland Hospital and the Infectious Diseases Hospital, Dover, respectively. Any smallpox cases would be referred to River Hospital (Long Reach) Dartford, Kent.

5. Nursing Home Registrations - Public Health Act, 1936:

The registration of Nursing Homes in the Borough is the responsibility of the County Authority. There are six Nursing Homes in Deal.

6. Clinics and Welfare:

The Kent County Council, as the local Health and Education Authority, have the responsibility for the provision of maternity and child welfare clinics, immunisation and vaccination sessions, also school clinics for minor ailments, dental and ophthalmic services, child guidance and speech therapy.

Out-patients' clinics in all specialities are provided by the Regional Hospital Board at the Victoria Hospital, Deal.

7. Swimming Pools:

Walmer Secondary School:

This is an open air pool of 60,000 gallons with continuous chlorination and filtration plant, with a capacity of 7,500 gallons per hour. The outlet dose is maintained at 0.5 - 1.0 p.p.m. and algae is controlled by an algicide.

Other Pools:

Three County Junior Schools operate raised portable teaching pools. These have continuous filtration plant, one of which is equipped with continuous chlorination. Chlorination is by hand in the other two pools.

One private boarding school operates a fill and empty pool. Hand chlorination is practised, giving a reasonably satisfactory water and the pool is refilled at intervals of about 10 days under condition of maximum load.

Paddling Pool, Walmer Green:

This is a public pool restricted to young children. It is an open air pool of10,000 gallons with continuous chlorination and filtration plant giving a two hourly turn over period. Algae is controlled by an algicide and colorimetric tests are regularly taken.

Sampling:

6 samples were taken to check bacteriological conditions in the various pools. All were considered satisfactory.

8. National Assistance Acts, 1948 and 1951:

Burials:

No burials under section 50 of the Act took place during the year.

Tenders are invited from local undertakers and a contract entered into for a 12 month period.

Persons in need of Care and Attention:

One aged and infirm lady who had been under supervision for some two years was removed to County Council accommodation under the emergency provisions of the 1951 Amendment Act.

46 visits and re-visits were made by the Public Health Inspectors in connection with elderly persons.

Much work is done by voluntary bodies on behalf of elderly persons and the Deal and District Old Peoples' Welfare Council acts as a co-ordinating body in this field.

9. Local Government Superannuation Acts - Medical Examinations:

During 1968 sixteen medical examinations were undertaken by the Medical Officer of Health of persons entering the Authority's superannuation scheme, one to determine fitness for employment and two for other reasons.

SECTION C - SANITARY CIRCUMSTANCES OF THE AREA.

Water Supply:

The mains water supply, which is connected to all but thirteen houses in the Borough, is from the Thanet Water Board and once again it

is a pleasure to acknowledge with appreciation the co-operation by the Board, especially by their Engineer and Manager Mr. J. Leslie Unitt, in all matters upon which it was necessary to have consultations.

Regular bacteriological sampling of the various water sources was undertaken by the Board before and after sterilisation of the water and the results were made available to the Medical Officer of Health.

On three occasions the samples of raw water taken at the Deal Pumping Station showed counts of Faecal Coli. These results always coincided with periods of heavy rainfall and in trying to trace the source of the organisms it was found that the main sewer in Cross Road/ Station Road was surcharging during such rainfall with the result that manhole covers in the shallowest part of the sewer adjacent to the Pond at Station Road/Cross Road/Ellens Road junction were lifting and discharging sewage on to the surrounding farm land.

In view of the proximity of these manholes to the adit system, the Borough Engineer put in hand certain works in order to rectify the situation.

These works comprised:-

(a) The reconstruction of the two affected manholes by providing bolted covers and inner covers.
(b) The cleansing of the sewer between Cross Road and Dover Road to ensure maximum efficiency.

In addition, those sections of the sewer that were most likely to be under pressure due to surcharge were water tested and found to be in a sound condition.

These measures appear to have been satisfactory up to the present time and no further overflow has taken place.

Sixteen samples of the Board's water from the piped supplies as delivered to private dwelling-houses were submitted from the Department and although one was not entirely satisfactory the slight contamination was of no special significance and could possibly have occurred during sampling.

The following are typical copy reports on the chemical examination of the water.

	St. Richards Road Pumping Station (Raw)	Martin Pumping Station (Raw)
Appearance	Clear and bright	Bright with few particles
Colour	Nil	Nil
Odour	Nil	Nil
Electric Conductivity at 20°C	560 units	540 units
pH Value	7.2	7.2
Dissolved solids dried at 180°C	400 p.p.m.	385 p.p.m.
Chlorine present as Chloride	41 p.p.m.	33 p.p.m.
Nitrate nitrogen	8.4 p.p.m.	8.0 p.p.m.
Nitrite nitrogen	Nil	Nil
Ammonia free	0.00 p.p.m.	0.00 p.p.m.
Ammonia albuminoid	0.00 p.p.m.	0.00 p.p.m.
Oxygen absorbed	0.30 p.p.m.	0.00 p.p.m.
Hardness - Total	275	280
Permanent	60	55
Temporary	215	225

(cont.)

Alkalinity as CACO 3	215	225
Free Carbon Dioxide	39	37
Iron and other metals	Nil	Nil
Residual Chlorine	0.00	0.00

"Both waters are of satisfactory organic quality and, from the aspect of chemical analysis, are pure and wholesome waters suitable for public supply purposes".

The natural fluoride content of the water was less than 0.1 parts per million.

1155 yards of 4" and 319 yards 3" mains extensions were laid by the Thanet Water Board during 1968.

The well water supplies in Ellens Road remained unchanged during the year and of four samples submitted two were reported unstaisfactory. The generally agreed opinion is that contamination is from localised surface sources, the actual source of the water being considered satisfactory: under the circumstances the consumers are advised regarding the precautions necessary.

Drainage and Sewerage:

I am grateful to Messrs. G.B. Kershaw and Kaufman, the Borough's Consulting Engineers, for the following memorandum complementing the notes included in the 1967 Annual Report on the re-modelling of the sewerage system in the Borough.

The major works included in the Consulting Engineer's recommendations for the relief of flooding and improvement of foul and surface water sewerage in the Borough, with provision for connections from two neighbouring Authorities, are now virtually complete. The last of the four Contracts, into which the works were divided, has now only a short time to run. The final major diversions of sewage flow are being made at the Liverpool Road-Granville Road junction and at the South Street-Victoria Road intersection, all other connections and diversions, totalling about twenty, from Golf Road in the North to Balfour Road in the South, having been successfully completed.

At North Deal Pumping Station, Golf Road, the pumping capacity has been improved to ensure its adequacy in future, when the total foul flows from Deal, Walmer and parts of Eastry and Dover Rural Districts are fully diverted. A screen to remove rags etc, and a grit pump to relieve the abrasive load on the centrifugal sewage pumps have been put into service at this main station.

Ark Lane Pumping station, which was completed under an earlier contract, has continued to discharge excess storm water to sea, when required.

The additional larger pumps have been installed, tested and put into service during the year, at Walmer Pumping Station. This installation can now pump all flows, except storm flows, from the area served by the old Walmer system, to the recently completed main intercepting sewer laid northwards through the Borough to Ark Lane, to connect there to the existing main outfall sewer. This sewer will continue to discharge all sewage to North Deal for final disposal to sea via the existing outfalls.

The Consultant's inspection of the old outfall in Golf Road, before the final connections were made, indicated that cleansing was essential to ensure adequate capacity for the enhanced rates of flow. A specialist Contractor was engaged and the accumulated grit, sewage sludge, etc., was dredged from the culvert and carted away, the improved flow condition sought being achieved.

The following figures show the drainage work carried out during 1968 and the figures for 1967 are shown for comparison.

	1968:	1967:
Visits and re-visits	318	663
Blocked drains cleared	291	206
Drains reconstructed or repaired	13	14
Drains inspected or tested	14	18
Inspection chambers repaired	9	7
Vent pipes repaired/renewed	2	2
Cesspools abolished	3	2
Gutters provided	2	-

Rivers and Streams:

Dykes and ponds are treated with anti-mosquito capsules in the Spring or early summer, in order to keep breeding grounds to a minimum.

Public Cleansing:

The collection and disposal of refuse by means of controlled tipping is carried out under the direction of the Borough Engineer and Surveyor. The Public Health Department co-operates in the prevention of nuisance and the replacement of dustbins. The Refuse Collectors refer cases of worn out dustbins to the Department for service of notices. Three dustbins were renewed by this means during 1968.

Offensive Trades:

The premises of three Rag and Bone dealers are approved by the Council. No significant Public Health nuisances have been experienced during the year under review.

Pet Animals' Act, 1951:

Two premises are licensed as Pet Shops under this Act. Licences are issued subject to the conditions recommended by the R.S.P.C.A. and the premises are inspected jointly by the Department and the local R.S.P.C.A. Inspector.

Steam Disinfector:

The following figures show the use of the steam disinfector during 1968. Figures for the previous year are shown for comparison.

	1968:	1967:
Times used	12	22
Cases concerned	12	22
Bed Bugs	-	-
Fleas	-	-
Scabies	-	-
Infectious Diseases	12	17
Other Causes	-	5
	12	22

In addition the Department arranged and carried out the following disinfections.

	1968:	1967:
Houses	18	11
Number of Rooms	29	30
Hospitals and Nursing Homes	1	4
Police Cells	-	1

FACTORIES ACT, 1961:

1. Inspections for purposes of provisions as to health.

Premises	Number on Register	Number of Inspections	Number of Written Notices	Number of Occupiers Prosecuted
1. Factories in which Sections 1 - 6 are to be enforced by Local Authority	7	1	-	-
2. Factories not included above in which section 7 is enforced by L.A.	74	14	2	-
3. Other premises in which section 7 is enforced by L.A. (excluding outworkers premises)	9	5	-	-
Total	90	20	2	-

2. Cases in which defects were found

Particulars	Number of cases in which defects were found: Found	Remedied	Referred to H.M. Insp.	By H.M. Insp.	Number of cases in which prosecution was instituted
Want of cleanliness	-	-	-	-	-
Overcrowding	-	-	-	-	-
Reasonable temperature	-	-	-	-	-
Inadequate ventilation	-	-	-	-	-
Ineffective drainage of floors	-	-	-	-	-
Sanitary Conveniences					
(a) Insufficient	-	-	-	-	-
(b) Unsuitable or defective	-	-	-	-	-
(c) Not separate for sexes	2	1	-	-	-
Other offences against the Act (not including offences relating to outwork).	-	-	-	-	-
	2	1	-	-	-

3. Outworkers:

29 outworkers were engaged in the maufacture of wearing apparel. No contraventions were noted.

RODENT CONTROL:

A. Routine Work:

The following shows the routine surface work carried out during 1968.

		TYPE OF PROPERTY	
		NON-AGRICULTURAL	AGRICULTURAL
1.	Number of properties in district	10,480	26
2. a.	Total number of properties (including nearby premises) inspected following notification	201	3
b.	Number infested by (i) Rats	171	3
	(ii) Mice	16	-
3. a.	Total number of properties inspected for rats and/or mice for reasons other than notification	4	-
b.	Number infested by (i) Rats	-	-
	(ii) Mice	-	-

Total number of visits made by the Rodent Operator = 1,150.

In addition, free bait and advice was given in the case of mouse infestation at 52 private houses.

B. Sewer Treatment:

The following shows the number of manholes found to be infested with rats during the 1968 sewer treatments:-

Area	Number of manholes in Area	Number of Manholes found to be infested	
		1968 May	1968 December
Lower Deal	82	7	20
Central Deal	87	2	1
Middle Deal	107	1	-
Mill Hill	111	1	-
Lower Walmer	108	-	-
Upper Walmer	109	-	-
Mongeham	66	1	-
	670	12	21

1968 May	1968 December
% infestation	% infestation
1.8%	3.1%

The level of infestation remains low and is mainly confined to the oldest sewers. In these areas there are, almost certainly, a number of

disused drains which provide ideal harbourage. Presnt practoce ensures that such drains serving buildings to be demolished are disconnected from the main system. Spasmodic infestations in other areas can often be associated with building operations where the drains are temporarily left open.

MOVEABLE DWELLINGS:

A. Camping Sites:

The Hawkshill Camp for London Boys continues to operate a camping Site under a Licence issued under section 269 of the Public Health Act, 1936. This camp provides accommodation for:-

1. The Jewish Lads' Brigade Annual Camp in a field set aside for the purpose.
2. London Boys in a second field.
3. Youth Organisations of various categories, who camp in groups in the field.
4. Tourist Tent Campers on a smaller area set aside for the purpose.

A fourth field is utilised for caravans under the auspicessof the Caravan Club and enjoys exemption from Licensing requirements.

The site is adequately served by mains water points, refuse bins, cesspool drainage and flush closets. Rubbish is partly incinerated and partly collected by the Council. The London Boys have ablution facilities, a central kitchen and a Tuck Shop.

B. Individual Caravans:

No licenses were approved for the use of trailer caravans during the year 1968, but several were in use in connection with building and engineering operations in the district. No nuisances were observed.

VERMINOUS AND FILTHY HOUSES & PREMISES:

A. Verminous Premises:

The following figures show the number of disinfestations carried out during 1968.

	Council Houses:	Non Council Houses:	Other Premises:
Cockroaches	1	33	11
Bed Bugs	-	-	-
Woodworm	1	5	-
Fleas	4	5	2
Wasps' Nests	1	21	3
Flies	2	2	4
Ants	2	4	8
Moths	-	1	1
Other Disinfestations	-	5	-

The total number of treatments in 1968 = 140

The total number for the year 1967 was = 162

Cockroaches:

The Council's policy of providing free cockroach treatments in private house commenced in 1967 and during the year 1968 this service continued. When a complaint is received concerning a terraced or semi-detached house treatments are carried out simultaneously on the attached properties, where this can be arranged and further treatments are carried out after a six week interval in order to achieve maximum effect.

B. Dirty Houses:

20 visits and re-visits were made to various dirty houses. In such cases improvements are only temporary and constant supervision is necessary to prevent deterioration.

DEALERS IN OLD METAL:

7 premises are registered under the Scrap Metal Dealers' Act, 1964.

RAG FLOCK AND OTHER FILLING MATERIALS ACT:

One premises is registered under this Act.

HAIRDRESSERS AND BARBERS:

There are 28 hairdressers and barbers in the area No formal action was required under the Bye-Law under section 77 of the Public Health Act, 1961.

CLEAN AIR ACT:

4 complaints were received and 17 visits made in relation to smoke and dust nuisances. Improvements were secured by informal action.

NOISE ABATEMENT ACT:

9 complaints were received and 29 visits and re-visits made in relation to them. In all cases reduction of the noise was achieved by informal action.

CONSUMER PROTECTION ACT, HEATING APPLIANCES:

All vendors of heating appliances have had their attention drawn to the safety regulations relating to electric, gas and oil heaters. Testing equipment is held in the Department.

AGRICULTURE (SAFETY, HEALTH & WELFARE PROVISION) ACT, 1956:

No action was necessary under this Act during the year of 1968.

OFFICES, SHOPS AND RAILWAY PREMISES ACT,1963:

The following information is submitted:-

A. General Inspection and Registration:

Class of Premises:	Number Registered during the year	Number Registered at end of the year	Number receiving General Inspection
Offices	2	62	6
Retail Shops	5	197	9
Wholesale Shops & Warehouses	1	6	-
Catering Establishments and Canteens	1	34	1
Fuel Depots	-	-	-
	9	299	16

B. Number of visits of all kinds by Inspectors to registered premises = 43

C. Analysis of persons employed by Workplaces

Class of Workplace	Number of Persons Employed
Offices	276
Retail Shops	903
Wholesale Shops & Warehouses	39
Catering Establishments	243
Canteens	2
Fuel Storage Depots	-

Total = 1,463 Males = 535 Females = 928

No exemptions were granted and no prosecutions were taken during the period.

The following contraventions shown here were found and dealt with by informal action in 1968

Cleanliness	2
Overcrowding	-
Temperature	1
Ventilation	3
Lighting	1
Sanitary Accommodation	1
Washing facilities	-
Drinking Water	1
Accommodation for clothing	1
Sitting facilities	-
Floors, passages and stairs' defects	4
First Aid Provision	7
Thermometer	2
Abstract	1
Safety Precaution	1

SECTION "C" TABLE OF WORKS OF PUBLIC HEALTH INSPECTORS:

	INSPECTIONS:	RE-VISITS:	TOTALS 1968:	TOTALS 1967:
Housing Inspections	105	179	284	538
Houses in Multiple Occupation	1	-	1	3
Standard Grants	46	8	54	68
Re-housing Investigations	23	7	30	26
Water Supply	20	2	22	33
Drainage	184	134	318	663
Cesspools	4	1	5	4
Animal Keeping or Waste Food Order	20	2	22	12

	INSPECTIONS:	RE-VISITS:	TOTALS: 1968:	TOTALS: 1967:
Offensive Trades	5	1	6	2
Tents, Vans & Sheds etc.	4	2	6	5
Factories with Power	14	3	17	27
Factories without Power	1	-	1	1
Factories (other)	5	1	6	19
Workplaces	-	-	-	-
Outworkers	1	-	1	2
Public Conveniences	4	4	8	7
Theatres	3	-	3	2
Licensed Premises	-	-	-	16
Provision of Dustbins	6	1	7	17
Offensive Accumulation	40	24	64	112
Common Courts & Passages	7	1	8	4
Refuse Tips	5	3	8	10
Rats & Mice	195	33	228	62
Dust & Smoke Nuisances	13	3	16	62
Verminous Premises	39	9	48	45
Dirty Houses	14	6	20	15
Elderly Persons	38	8	46	44
Infectious Diseases	58	33	91	72
Food Poisoning	3	8	11	31
Hairdressers	5	-	5	2
Ponds & Ditches	5	-	5	1
Mosquitoes	1	-	1	-
Meat Shops & Stores	14	-	14	48
Fishmongers & Poulterers	6	-	6	20
Grocers etc.	65	4	69	134
Greengrocers & Fruiterers	14	5	19	28
Dairies & Milk Shops	11	-	11	21
Fried Fish Shops	5	-	5	16
Ice Cream Premises	15	2	17	31
Preserved Food Premises	1	-	1	2
Stalls, barrows etc.	37	6	43	49
Caterers & Boarding Houses	37	10	47	67
Shops' Act	2	-	2	2
Pet Shops	2	-	2	3
Noise Nuisances	12	17	29	31
Offices & Shops	29	14	43	103
Heating Appliances	1	-	1	-
Bakehouses	11	-	11	14
Visits re. Unsound Food	63	2	65	88
Sampling Visits	83	0	83	123
National Assistance Burials	-	-	-	-
Swimming Pools	25	-	25	38
Miscellaneous Visits	281	10	291	382
Flooding	19	9	28	58
Wasps	7	3	10	22
Woodworm	13	3	16	15
Mortuary	-	-	-	-
Rag Flock	-	-	-	-
TOTALS =	1631	568	2199	3210

Total of Visits and Inspections	1968:	1967:
Visits of Public Health Inspectors	2173	3204
Visits by Rodent Operator	1150	1784
	3323	4988

Summary of Complaint Book - 1968.

	1968:	1967:
Rats and Mice	223	271
Blocked drains	327	235
Housing Defects	103	105
Re-housing and Overcrowding	9	11
Miscellaneous	89	47
Food	88	78
Rubbish	47	34
Cockroaches	46	75
Fleas	12	9
Other Insects	58	94
Infectious Disease Sprays	7	11
Bedding removal (Disinfection)	13	19
Woodworm	12	7
Dirty Houses	4	8
Animal Nuisances	21	11
Dust Nuisances	1	-
Smoke Nuisances	3	9
Noise Nuisances	9	17
General Nuisances	11	40
Flooding	8	17
	1094	1098

HOUSING:

(1) House Construction:

I am endebted to the Borough Engineer and Surveyor for the following information regarding the number of houses completed during 1968 and under construction at 31st. December, 1968:

Housing - Private Enterprise

Units completed during 1968:

39 No. 2 bedroom units
78 No. 3 bedroom units
8 No.4 or more bedroom units
12 No.1 bedroom flats
6 No.2 bedroom flats
3 No. flats by conversion of existing dwelling.

Units under construction at 31st. December, 1968:
109 No. units all types (i.e. 2, 3 or more bedroom), this figure is including 4 G.L.C. Bungalows.
58 No. flats

Housing - Council

Units completed during 1968:
7 No. 3 bedroom houses

3 No. Old Peoples' flats
26 No. 2 bedroom flats
2 No. Handicapped Persons flats

Units under construction at 31st. December, 1968: - Nil

Housing Inspections:

A Closing Order was made in respect of 2, Brewer Street, Deal.

Representations were made by the Medical Officer of Health in relation to the following houses:-

42 Duke Street, Deal.
234 Church Path, Deal.
236 Church Path, Deal.

In each case undertakings as to future use were accepted under section 16 of the Housing Act, 1957.

An undertaking was also accepted in respect of the front basement room of 29 Princes Street, following a representation by the Medical Officer of Health.

The following table shows the work carried out during 1968. The figures for 1967 are shown for comparison:

			1968:	1967:
Inspection of dwelling houses during the year				
1.	(a)	Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts.)	105	128
	(b)	Number of inspections made for that purpose	284	538
2.	(a)	Number of dwelling houses included under sub-section (1) above which were inspected and recorded under the Housing Consolidation Regulations 1925	77	87
		Number of inspections made for that purpose	77	87
3.		Number of dwelling houses found to be in a state so injurious to health as to be unfit for human habitation	4	1
4.		Number of dwelling houses (exclusive of those referred to under the preceding sub. head) found not to be in all respects reasonably fit for habitation	49	38
Remedy of Defects during the year without service of formal notice:				
		Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their Officers	47	94
Action under Statutory Powers during year:				
A.		Proceedings under Section 9, 10 and 12 of the Housing Act, 1957:		
	(a)	Number of dwelling houses in respect of which notices were served requiring repairs	-	-
	(b)	Number of dwelling houses which were rendered fit after service of formal notice		
		(1) By owner	-	-
		(2) By Local Authority	-	-

		1968:	1967:
B.	Proceedings under Public Health Acts:		
(a)	Number of dwelling houses in respect of which notices were served requiring defects to be remedied	1	4
(b)	Number of dwelling houses in which defects were remedied after service of a formal notice	-	4
(c)	Number of houses in which defects were remedied (other than unfit houses made fit) after formal notice	-	14
C.	Proceedings under Section 16 and 17 of the Housing Act, 1957:		
(a)	Number of dwelling houses in respect of which demolition orders were made	-	-
(b)	Number of dwelling houses in respect of which Closing Orders were made	1	-
	Number of dwelling houses in respect of which an undertaking was accepted as to future user	-	1
(c)	Number of dwelling houses demolished in pursuance of demolition orders	-	-
(d)	Number of dwelling houses in respect of which an undertaking was cancelled, the dwelling having been rendered fit	-	1
D.	Proceedings under Section 18 of the Housing Act, 1957:		
(a)	Number of separate tenements or underground rooms in respect of which closing orders were made	-	-
(b)	Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenements or rooms having been rendered fit	-	2
(c)	Number of separate tenements or rooms in respect of which undertakings to repair were accepted	1	5
	Rent Act:		
(a)	Number of applications received under para. 4 (1) First Schedule	-	-
(b)	Number of certificates granted under para. 4 (1) First Schedule	-	-
(c)	Number of Disrepair Certificates cancelled	-	-
(d)	Application for cancellation refused	-	-

HOUSING

A SELECTION OF HOUSING DEFECTS REMEDIED	1968:	1967:
Lighting improved	2	1
Roofs repaired/renewed	18	22
Walls (external) repointed etc.	10	9
Floors repaired/renewed	9	12
Wall plaster repaired	9	15
Ceiling plaster repaired	3	4
Windows repaired/renewed	9	11
Fireplaces repaired/renewed	5	2
Cooking ranges repaired/renewed	-	1
Sinks provided	-	-
Sinks repaired/renewed	2	3
Waste pipes repaired/renewed	-	2
Interior water supply provided	-	-
Repairs to water supply	3	6
Downspouts repaired/renewed	8	9
Gutterings repaired/renewed	7	13
Food Stores repaired or provided	-	1
Sash cords provided	5	4
Handrails fixed on stairs	-	-
Stairs repaired/renewed	1	-
Doors repaired/renewed	4	7
Woodwork repainted	1	-
Chimneys and stacks repaired	8	7
Yards, passages repaired/paved	1	2
Dampness abated	26	34
Additional ventilation	-	-
Rooms cleansed and redecorated	-	-
Water Closets provided	-	1
Water Closets renewed	2	6
Water Closet compartments repaired	2	4
Water Closet cisterns repaired/renewed	10	5
Water Closets provided with water	-	-
Box seats abolished	1	4
Pail closets abolished	-	-

SECTION E

MILK SUPPLY:

11 inspections were made during 1968 to Dairies and Milk Shops. 43 firms are now registered for distribution of milk from 56 premises. There are 3 premises within the Borough registered as Dairies.

Licences under the (Special Designation) Regulations are issued by the Kent County Council for periods of five years

The following samples of milk and cream were taken during 1968:-

	Number of Samples	Failed Turbidity Test	Failed Methylene Blue Test	Failed Phosphatase Test
Pasteurised	35	-	-	-
Sterilised	-	-	-	-
UltraHeat Treated	1	-	-	-
Cream	2	-	-	-

ICE CREAM:

One shop was registered for the sale of ice cream in 1968.

There are 124 premises registered for the sale of ice cream only and 3 for the manufacture and sale of ice cream.

35 samples were submitted to the Public Health Laboratory with the following results:-

Methylene Blue Test:	Heat Treated:	Cold Mix:	
Grade I	28	4	Satisfactory
Grade II	2	-	
Grade III	-	-	Unsatisfactory
Grade IV	1	-	

PRESERVED FOOD PREMISES:

28 premises are registered for the manufacture and sale of preserved food. These are mainly butchers' premises manufacturing sausages and a number of grocers' shops registered for the boiling of hams. There are three premises which concentrate on the production of cooked meat and pies. Satisfactory food hygiene standards are observed.

Food Premises.

242 visits and re-visits were made to food premises and the following table shows the improvement secured during the year.

	1968:	1967:
Walls repaired	1	2
Ceilings repaired	2	-
Floors repaired	5	1
Windows repaired	1	-
Doors repaired	-	-
Cleansed/redecorated	8	9
Ventilation improved	7	-
Refuse removed	1	2
Sinks provided/repaired	1	1
First Aid Kit provided	1	1
Fixed wash hand basin provided/repaired	1	1
Soap, towel, nailbrush etc. provided	1	4
Cold water provided	-	-
Hot water provided	-	1
Equipment cleansed	2	1
Use of room prohibited	-	1
Sanitary accommodation re-arranged	-	2
Lighting improved	1	-
Staff room or lockers provided	-	-
Room rat proofed	-	-
Food Vehicles etc.		
Vans etc. cleansed	-	-
Vans etc. repaired	-	-
Vans etc. provided with hot water	5	1
Soap, towel etc. provided	4	1
Sinks etc. provided	-	-
Names and addresses exhibited	1	7
Screening provided	-	2

Food premises were inspected under the Food Hygiene Regulations and classified as follows during the year of 1959.

A. Complying fully with Regulations

B. Require improvement to qualify for "A"

C. Require close supervision for cleanliness

The position at the end of 1968 is shown with that of 1967 for comparison.

	1968:	1967:
A	347	343
B	93	95
C	4	4

The food premises in the area are in the following categories (primary use):

	1968:	1967:
Bread and Cake Shops	12	12
Ice Cream Manufacturers	3	3
Bakehouses	5	5
Dairies	2	2
Mobile Vans etc.	46	44
School kitchens, staff canteens and Nursing Homes etc.	41	42
Brewery	1	-
Mineral Water factory etc.	1	2
Chemists	8	8
Cinemas and Dance Halls	6	6
Fishmongers & Fried Fish Shops	14	14
Licensed Premises	60	62
Clubs	19	19
Butchers	17	18
Cafes etc.	30	29
Confectioners	30	30
Greengrocers	22	20
Boarding Houses etc.	55	53
Grocers	73	75
	444	442

DISEASES OF ANIMALS (WASTE FOOD ORDER) 1957:

One new registration was made during 1968.

One piggery is licensed under this Order to operate a swill boiling plant.

Unsound Food:

65 visits were made in connection with food inspection and the amount of food condemned was:-

6 tons 2 cwt. 2 qrs. 24 lb. $15\frac{3}{4}$ oz.

Condemned food is disposed of by deep cover at the Council's Refuse Tip.

The following cases were reported to the Public Health Committee:-

1.	Textile fibres in sliced loaf of bread.	Warning letter
2.	Mouldy cheeses	Prosecution. Fine £20.0.0. Costs £5.5.0
3.	Mould in pork pie	Warning letter
4.	Piece of metal in Liver & Ham Pate	Warning letter
5.	Insects and Larvae in Flour	Prosecution Fine £15.0.0. Costs £3.3.0.
6.	Stains in Milk Bottle	Warning letter
7.	Decomposed tongue	Warning letter
8.	Horse-chestnut in school milk	No action
9.	Earwig in Meat Savoury	No action.

FOOD POISONING:

No cases of food poisoning were notified or otherwise came to notice during the year.

There were two incidents of salmonella infection not considered food borne, each concerning two members of the same family; in one case the organism was S. enteritidis and in the other S. typhimurium.

SECTION F - PREVALENCE AND CONTROL OF INFECTIOUS DISEASE

1. Infectious and other notifiable diseases (excluding Tuberculosis and Food Poisoning) notified in 1968 by Age Groups - Corrected.

	Scarlet Fever	Measles	Dysentery	Ac. Encephalitis (Post Infectious)	Whooping Cough	Infective Jaundice
Under 5 years	7	9	6	-	6	-
5 - 14 years	5	2	-	-	3	-
15-24 years	2	-	1	1	1	4
25 and over	1	-	2	-	1	1
Age unknown	-	-	2	-	-	-
Total	15	11	11	1	11	5
Admitted to Hospital	-	2	-	-	1	-

Infective Jaundice became generally notifiable under the Public Health (Infective Jaudice) Regulations, 1968, with effect from 15th. June, 1968, and remained so when these regulations were revoked and replaced by the Public Health (Infectious Diseases) Regulations, 1968, under which the pneumonias, erysipelas and puerperal pyrexia were no longer notifiable with effect from 1st. October, 1968.

2. Tuberculosis:

New cases of Tuberculosis notified during 1968 were as follows:

	Pulmonary:		Non-Pulmonary:	
	Male:	Female:	Male:	Female:
1968	4	2	-	1
1967	3	1	-	-

(a) Age Grouping of the new cases notified during 1968 was as follows:-

	Pulmonary		Non-Pulmonary	
	Male:	Female:	Male:	Female:
1 - 2 years	1	-	-	-
15 - 24 years	1	-	-	-
25 - 44 years	-	-	-	1
45 - 64 years	1	2	-	-
65 years and over	1	-	-	-

(b) The following "Annual Statement of Tuberculosis" is compiled from the four Quarterly Returns rendered to the County Medical Officer:-

	Pulmonary		Non-Pulmonary	
	Male:	Female:	Male:	Female:
(a) Number of cases of Tuberculosis on Register as at 1st. January, 1968	18	14	6	7
(b) Number of cases notified under Regulations of 1952 for first time during year	4	2	-	1
(c) Other additions to the Register	2	3	-	-
(d) Cases removed from Register during the year, including recoveries or deaths (excluding deaths of un-notified cases)	8	3	-	-
Adjusting Deduction following check of Registers with Chest Physician	-	5	4	6
(e) Cases on Register at the end of 1968	16	11	2	2

During the latter part of 1967 and 1968 a review of the Tuberculosis Registers was undertaken with the co-operation of Dr. J. Spencer Jones, Chest Physician, as it had become apparent that the statistics relating to patients suffering from tuberculosis were false and unrealistic. These inflated numbers had arisen as the result of a variety of causes e.g. the registers had operated without a complete review for over half a century, there had been no statutory obligation for patients to notify change of address, or for compulsory attendence at clinics and, therefore, many patients became lost to records. Now, after much effort by Dr. J. Spencer Jones and his staff, for which I am indeed grateful, I am now able to present a more accurate assessment of the prevalence of tuberculosis in the Borough.

Of the twenty-six cases whose names were removed from the register, four died, six were regarded as having recovered while the names of sixteen were removed on the advice of the Chest Physician as lost sight of etc.

No action was necessary under the Public Health (Prevention of Tuberculosis) Regulations, 1925, (regarding tuberculous persons employed in the milk trade), or section 172 of the Public Health Act, 1936, (regarding the compulsory removal of tuberculous patients to hospital).

3. Immunisation and Vaccination:

The schemes for Whooping Cough and Diphtheria Immunisation and Smallpox and Poiliomyelitis Vaccination were continued under the administration of the Kent County Council and the following statistics for 1968 are made available by the courtesy of the County Medical Officer.

(a) Whooping Cough Immunisation:

354 children received primary whooping cough immunisation and 345 reinforcing injections.

(b) Diphtheria Immunisation:

Number of children resident in the Borough of Deal who received:-

(a)	Primary Inoculations	- 364
(b)	Reinforcing Inoculations	- 613

(c) Smallpox Vaccination:

In view of the amendment of the County Council's proposals under Section 26 of the National Health Service Act, 1946, regarding records of vaccination against smallpox, the following is the sole information now available:-

Primary Vaccination 1 Year	Re-vaccination (school age but under 8 years)
241	8

(d) Poliomyelitis Vaccination:

Vaccination figures for 1968 based on the returns submitted to the Department of Health and Social Security:-

Year of Birth:	Primary:	Re-inforcing:
1968	74	-
1967	271	-
1966	141	-
1965	30	-
1964	15	49
1961 - 1963	6	352
1952 - 1960	--	4
Totals	537	405

SECTION G - METEOROLOGICAL CONDITIONS

MONTH	RAINFALL INS.	TEMPERATURE		SUNSHINE HOURS *
		MEAN °C MAXIMUM °F	MEAN °C MINIMUM °F	
January	1.89	6.3 44.24	2.3 36.14	44.4
February	2.57	5.1 41.18	2.3 36.14	69.2
March	0.83	10.2 50.36	4.1 39.38	127.0
April	1.47	11.5 52.70	5.5 41.90	183.0
May	1.57	13.4 56.12	7.6 45.68	166.0
June	1.05	17.4 63.32	11.5 52.70	185.2
July	3.71	18.6 65.48	12.9 55.22	183.7
August	2.28	18.7 65.66	13.9 57.02	112.4
September	3.74	18.2 64.76	12.5 54.50	154.4
October	1.99	16.4 61.52	11.8 53.24	80.9
November	1.41	9.7 49.46	6.7 43.96	46.2
December	2.47	5.1 41.18	2.2 35.96	37.9
Total	24.98	-	-	*1390.3
1967 Total	25.87	-	-	*1737.6

* Deal figure not available - figures quoted are those of nearest recording station.

DEAL PORT HEALTH AUTHORITY

There were no Port Health Activities in the Deal Authority during the year.

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